Title (en)

ELECTRONIC KEY AND METHOD FOR OPERATING AN ELECTRONIC KEY

Title (de)

ELEKTRONISCHER SCHLÜSSEL UND VERFAHREN ZUM BETRIEB EINES ELEKTRONISCHEN SCHLÜSSELS

Title (fr)

CLÉ ÉLECTRONIQUE ET PROCÉDÉ DE FONCTIONNEMENT D#UNE CLÉ ÉLECTRONIQUE

Publication

**EP 3671668 A1 20200624 (EN)**

Application

**EP 18465643 A 20181218**

Priority

EP 18465643 A 20181218

Abstract (en)

An electronic key (30) for a vehicle (10) comprises a motion sensor (31) configured to detect a movement of the electronic key (30), a processing unit (32), and a transceiver unit (33) configured to transmit signals to and receive signals from the vehicle (10). Upon occurrence of a triggering event, the processing unit (32) is configured to, if it is detected by the motion sensor (31) that the electronic key (30) is not moving, and if the electronic key (30) is detected to be outside the vehicle (10), switch the transceiver unit (33) from an enabled state to a disabled state such that no signals may be received from the vehicle (10). The processing unit (32) is further configured to, if it is detected by the motion sensor (31) that the electronic key (30) is not moving, and if the electronic key (30) at the same time is detected to be inside the vehicle (10), keep the transceiver unit (33) in the enabled state.

IPC 8 full level

**G07C 9/00** (2020.01); **B60R 25/24** (2013.01)

CPC (source: EP)

**B60R 25/01** (2013.01); **B60R 25/24** (2013.01); **G07C 9/00309** (2013.01); G07C 2009/00555 (2013.01); G07C 2209/63 (2013.01)

Citation (search report)

- [XI] US 2017352211 A1 20171207 - ASMAR RON Y [US], et al
- [A] EP 2612795 A1 20130710 - NXP BV [NL]
- [A] US 2014313011 A1 20141023 - MIMURA HIRONORI [JP]
- [A] EP 3376475 A1 20180919 - NXP BV [NL]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3671668 A1 20200624**; **EP 3671668 B1 20230607**; WO 2020126590 A1 20200625

DOCDB simple family (application)

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